

WHAT IS CLAIMED IS:

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DI 1. An office apparatus connected to a network
comprising:

5 reception means for receiving agent information
including a command train and data;

control means for controlling a processing
mechanism of the office apparatus by executing a
control program that controls said processing
mechanism; and

10 execution means for executing said command train
to request processing from said control means.

2. An office apparatus according to claim 1
wherein:

15 said execution means executes said command train
to request from said control means processing that uses
said data, and wherein:

20 said control means controls said processing
mechanism to execute processing that uses said data.

3. An office apparatus according to claim 1
wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is an unrecoverable error.

25 4. An office apparatus according to claim 3
wherein said execution means executes said command

train to determine whether the result of processing by
said processing mechanism is an unrecoverable error,
and wherein if the result of processing by said
processing mechanism is an unrecoverable error, said
5 execution means additionally writes the occurrence of
the unrecoverable error to said data.

5. An office apparatus according to claim 1
wherein said execution means executes said command
10 train to determine whether the result of processing by
said processing mechanism is a recoverable error.

6. An office apparatus according to claim 5
wherein said execution means executes said command
15 train to determine whether the result of processing by
said processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
mechanism is a recoverable error, said execution means
additionally writes to said data the need to clear the
20 error.

7. An office apparatus according to claim 1
wherein said execution means executes said command
train to determine whether the result of processing by
25 said processing mechanism is a recoverable error.

8. An office apparatus according to claim 7

00363025-072999

wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
5 mechanism is a recoverable error, said execution means
requests said control means to control said processing
mechanism so as to wait for an error recovery.

9. An office apparatus according to claim 1
10 wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is normal termination.

10. An office apparatus according to claim 9
15 wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is normal termination, and
wherein if the result of processing by said processing
mechanism is not normal termination, said execution
20 means determines an alternative office apparatus.

11. An office apparatus according to claim 10
wherein:

said data includes a list of alternative office
25 apparatuses and wherein:

said execution means executes said command train
to select an alternative office apparatus from said

09363025-07299

list.

12. An office apparatus according to claim 1
further comprising:

5 sending means for executing a communication
program that communicates with an external apparatus to
send said agent information to the external apparatus,
wherein:

10 said execution means executes said command train
to request said sending means to send said agent
information.

13. An office apparatus according to claim 12
wherein said execution means executes said command
15 train to determine whether the result of processing by
said processing mechanism is an unrecoverable error,
and wherein if the result of processing by said
processing mechanism is an unrecoverable error, said
execution means additionally writes the occurrence of
20 the unrecoverable error to said data and requests said
sending means to send said agent information including
the resulting data.

14. An office apparatus according to claim 12
25 wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is a recoverable error, and

09363025.02999

wherein if the result of processing by said processing
mechanism is a recoverable error, said execution means
additionally writes to said data the need to clear the
error and requests said sending means to send said
5 agent information including the resulting data.

15. An office apparatus according to claim 12
wherein said execution means executes said command
train to determine whether the result of processing by
10 said processing mechanism is normal termination, and
wherein if the result of processing by said processing
mechanism is not normal termination, said execution
means determines an alternative office apparatus and
requests said sending means to send said agent
15 information to the alternative office apparatus.

16. An office apparatus according to claim 12
wherein said execution means executes said command
train to additionally write the result of processing by
20 said processing mechanism to said data and to request
said sending means to send said agent information
including the resulting data.

17. An office apparatus according to claim 1
25 wherein the office apparatus has a plurality of said
processing mechanisms.

00363025-072999

18. An office apparatus according to claim 1 wherein said processing mechanism is a print mechanism.

19. An office apparatus according to claim 1 wherein said processing mechanism is an image filing mechanism.

20. An office apparatus according to claim 1 wherein said processing mechanism is a scanner mechanism.

21. A control method for controlling an office apparatus connected to a network comprising:

a reception step for receiving agent information including a command train and data;

a control step for controlling a processing mechanism of a relevant office apparatus by executing a control program that controls said processing mechanism; and

an execution step for executing said command train to request processing from said control step.

22. A control method according to claim 21 wherein:

said execution step executes said command train to request from said control step processing that uses said data, and wherein:

09363025-072999

said control step controls said processing mechanism to execute processing that uses said data.

23. A control method according to claim 21
5 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error.

24. A control method according to claim 23
10 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error, and wherein if the result of processing by said processing mechanism is an unrecoverable error, said execution
15 step additionally writes the occurrence of the unrecoverable error to said data.

25. A control method according to claim 21
wherein said execution step executes said command train
20 to determine whether the result of processing by said processing mechanism is a recoverable error.

26. A control method according to claim 25
wherein said execution step executes said command train
25 to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing

09363025-072999

mechanism is a recoverable error, said execution step additionally writes to said data the need to clear the error.

5 27. A control method according to claim 21 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error.

10 28. A control method according to claim 27 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing
15 mechanism is a recoverable error, said execution step requests said control step to control said processing mechanism so as to wait for an error recovery.

20 29. A control method according to claim 21 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination.

25 30. A control method according to claim 29 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein

09363025.072999

if the result of processing by said processing mechanism is not normal termination, said execution step determines an alternative office apparatus.

5 31. A control method according to claim 30 wherein:

 said data includes a list of alternative office apparatuses and wherein:

10 said execution step executes said command train to select an alternative office apparatus from said list.

 32. A control method according to claim 21 further comprising:

15 a sending step for executing a communication program that communicates with an external apparatus to send said agent information to the external apparatus, wherein:

20 said execution step executes said command train to request said sending step to send said agent information.

25 33. A control method according to claim 32 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error, and wherein if the result of processing by said processing mechanism is an unrecoverable error, said execution

09363025.072999

step additionally writes the occurrence of the unrecoverable error to said data and requests said sending step to send said agent information including the resulting data.

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34. A control method according to claim 32 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing mechanism is a recoverable error, said execution step additionally writes to said data the need to clear the error and requests said sending step to send said agent information including the resulting data.

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35. A control method according to claim 32 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein if the result of processing by said processing mechanism is not normal termination, said execution step determines an alternative office apparatus and requests said sending step to send said agent information to the alternative office apparatus.

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36. A control method according to claim 32 wherein said execution step executes said command train

09363025-072999

to additionally write the occurrence of the unrecoverable error to said data and to request said sending step to send said agent information including the resulting data.

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37. A control method according to claim 21 wherein the office apparatus has a plurality of said processing mechanisms.

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38. A control method according to claim 21 wherein said processing mechanism is a print mechanism.

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39. A control method according to claim 21 wherein said processing mechanism is an image filing mechanism.

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40. A control method according to claim 21 wherein said processing mechanism is a scanner mechanism.

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41. A computer-readable memory medium which stores a program for controlling an office apparatus connected to a network, said memory medium comprising program codes that allow the office apparatus to execute:

a reception step for receiving agent information including a command train and data;

05363025-072999

a control step for controlling a processing mechanism of the office apparatus by executing a control program that controls said processing mechanism; and

5 an execution step for executing said command train to request processing from said control step.

42. A memory medium according to claim 41 wherein:

10 said execution step executes said command train to request from said control step processing that uses said data, and wherein:

15 said control step controls said processing mechanism to execute processing that uses said data.

43. A memory medium according to claim 41 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error.

20 44. A memory medium according to claim 43 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error, and
25 wherein if the result of processing by said processing mechanism is an unrecoverable error, said execution step additionally writes the occurrence of the

09363025-072999

unrecoverable error to said data.

45. A memory medium according to claim 41 wherein
said execution step executes said command train to
5 determine whether the result of processing by said
processing mechanism is a recoverable error.

46. A memory medium according to claim 45 wherein
said execution step executes said command train to
10 determine whether the result of processing by said
processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
mechanism is a recoverable error, said execution step
15 additionally writes to said data the need to clear the
error.

47. A memory medium according to claim 41 wherein
said execution step executes said command train to
determine whether the result of processing by said
20 processing mechanism is a recoverable error.

48. A memory medium according to claim 47 wherein
said execution step executes said command train to
determine whether the result of processing by said
25 processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
mechanism is a recoverable error, said execution step

09363025-07999
666210-52069560

requests said control step to control said processing mechanism so as to wait for an error recovery.

5 49. A memory medium according to claim 41 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination.

10 50. A memory medium according to claim 49 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein if the result of processing by said processing mechanism is not normal termination, said execution
15 step determines an alternative office apparatus.

51. A memory medium according to claim 50 wherein:

20 said data includes a list of alternative office apparatuses and wherein:

said execution step executes said command train to select an alternative office apparatus from said list.

25 52. A memory medium according to claim 41 further comprising:

a sending step for executing a communication program that communicates with an external apparatus to

09363025.072999

send said agent information to the external apparatus,
wherein:

5 said execution step executes said command train to
 request said sending step to send said agent
 information.

10 53. A memory medium according to claim 52 wherein
 said execution step executes said command train to
 determine whether the result of processing by said
 processing mechanism is an unrecoverable error, and
 wherein if the result of processing by said processing
 mechanism is an unrecoverable error, said execution
 step additionally writes the occurrence of the
 unrecoverable error to said data and requests said
15 sending step to send said agent information including
 the resulting data.

20 54. A memory medium according to claim 52 wherein
 said execution step executes said command train to
 determine whether the result of processing by said
 processing mechanism is a recoverable error, and
 wherein if the result of processing by said processing
 mechanism is a recoverable error, said execution step
 additionally writes to said data the need to clear the
25 error and requests said sending step to send said agent
 information including the resulting data.

09363025-072999
666210-5206950

55. A memory medium according to claim 52 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein
5 if the result of processing by said processing mechanism is not normal termination, said execution step determines an alternative office apparatus and requests said sending step to send said agent information to the alternative office apparatus.

56. A memory medium according to claim 52 wherein said execution step executes said command train to additionally write the occurrence of the result of processing by said processing mechanism to said data
15 and to request said sending step to send said agent information including the resulting data.

57. A memory medium according to claim 41 wherein the office apparatus has a plurality of said processing
20 mechanisms.

58. A memory medium according to claim 41 wherein said processing mechanism is a print mechanism.

59. A memory medium according to claim 41 wherein said processing mechanism is an image filing mechanism.

09363025-072999

60. A memory medium according to claim 41 wherein said processing mechanism is a scanner mechanism.

5 61. A network system comprising a data processing apparatus and an office apparatus both connected to a network,

said data processing apparatus having:

10 transfer means for transferring to said office apparatus agent information including a command train and data,

said office apparatus having:

reception means for receiving said agent information;

15 control means for controlling a processing mechanism of the office apparatus by executing a control program that controls said processing mechanism; and

20 execution means for executing said command train to request processing from said control means.

62. A network system according to claim 61 wherein:

25 said execution means executes said command train to request from said control means processing that uses said data, and wherein:

said control means controls said processing mechanism to execute processing that uses said data.

09363025-072999

63. A network system according to claim 61 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error.

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64. A network system according to claim 63 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is an unrecoverable error, and wherein if the result of processing by said processing mechanism is an unrecoverable error, said execution means additionally writes the occurrence of the unrecoverable error to said data.

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65. A network system according to claim 61 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error.

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66. A network system according to claim 65 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing mechanism is a recoverable error, said execution means additionally writes to said data the need to clear the error.

09363025-072999

67. A network system according to claim 61 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error.

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68. A network system according to claim 67 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing mechanism is a recoverable error, said execution means requests said control means to control said processing mechanism so as to wait for an error recovery.

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69. A network system according to claim 61 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is normal termination.

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70. A network system according to claim 69 wherein said execution means executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein if the result of processing by said processing mechanism is not normal termination, said execution means determines an alternative office apparatus.

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09363025-072999

71. A network system according to claim 70
wherein:

said data includes a list of alternative office
apparatuses and wherein:

5 said execution means executes said command train
to select an alternative office apparatus from said
list.

72. A network system according to claim 61 in
10 which:

said office apparatus has:

15 sending means for executing a communication
program that communicates with an external apparatus to
send said agent information to the external apparatus,
wherein:

said execution means executes said command train
to request said sending means to send said agent
information.

20 73. A network system according to claim 72
wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is an unrecoverable error,
and wherein if the result of processing by said
25 processing mechanism is an unrecoverable error, said
execution means additionally writes the occurrence of
the unrecoverable error to said data and requests said

09363025-072999

sending means to send to said data processing apparatus
said agent information including the resulting data.

5 74. A network system according to claim 72
wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
10 mechanism is a recoverable error, said execution means
additionally writes to said data the need to clear the
error and requests said sending means to send to said
data processing apparatus said agent information
including the resulting data.

15 75. A network system according to claim 72
wherein said execution means executes said command
train to determine whether the result of processing by
said processing mechanism is normal termination, and
wherein if the result of processing by said processing
20 mechanism is not normal termination, said execution
means determines an alternative office apparatus and
requests said sending means to send said agent
information to the alternative office apparatus.

25 76. A network system according to claim 72
wherein said execution means executes said command
train to additionally write the occurrence of the

09363025.072999

unrecoverable error to said data and to request said sending means to send to said data processing apparatus said agent information including the resulting data.

5 77. A network system according to claim 61 wherein the office apparatus has a plurality of said processing mechanisms.

10 78. A network system according to claim 61 wherein said processing mechanism is a print mechanism.

15 79. A network system according to claim 61 wherein said processing mechanism is an image filing mechanism.

20 80. A network system according to claim 61 wherein said processing mechanism is a scanner mechanism.

25 81. A control method for controlling a network system comprising a data processing apparatus and an office apparatus both connected to a network:

 a control method in said data processing apparatus having:

 a transfer step for transferring to said office apparatus agent information including a command train and data,

09363025.072999

a control method in said office apparatus having:
a reception step for receiving said agent
information;

5 a control step for controlling a processing
mechanism of a relevant office apparatus by executing a
control program that controls said processing
mechanism; and

10 an execution step for executing said command train
to request processing from said control step.

82. A control method according to claim 81
wherein:

15 said execution step executes said command train to
request from said control step processing that uses
said data, and wherein:

said control step controls said processing
mechanism to execute processing that uses said data.

20 83. A control method according to claim 81
wherein said execution step executes said command train
to determine whether the result of processing by said
processing mechanism is an unrecoverable error.

25 84. A control method according to claim 83
wherein said execution step executes said command train
to determine whether the result of processing by said
processing mechanism is an unrecoverable error, and

09363025.072999

wherein if the result of processing by said processing mechanism is an unrecoverable error, said execution step additionally writes the occurrence of the unrecoverable error to said data.

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85. A control method according to claim 81 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error.

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86. A control method according to claim 85 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error, and wherein if the result of processing by said processing mechanism is a recoverable error, said execution step additionally writes to said data the need to clear the error.

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87. A control method according to claim 81 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is a recoverable error.

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88. A control method according to claim 87 wherein said execution step executes said command train to determine whether the result of processing by said

09363025-02999
666220-5206960

processing mechanism is a recoverable error, and
wherein if the result of processing by said processing
mechanism is a recoverable error, said execution step
requests said control step to control said processing
5 mechanism so as to wait for an error recovery.

89. A control method according to claim 81
wherein said execution step executes said command train
to determine whether the result of processing by said
10 processing mechanism is normal termination.

90. A control method according to claim 89
wherein said execution step executes said command train
to determine whether the result of processing by said
15 processing mechanism is normal termination, and wherein
if the result of processing by said processing
mechanism is not normal termination, said execution
step determines an alternative office apparatus.

91. A control method according to claim 90
wherein:

said data includes a list of alternative office
apparatuses and wherein:

said execution step executes said command train to
25 select an alternative office apparatus from said list.

92. A control method according to claim 81 in

09363025-02999
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~~which:~~

the control method in said office apparatus has:
a sending step for executing a communication
program that communicates with an external apparatus to
5 send said agent information to the external apparatus,
wherein:

said execution step executes said command train to
request said sending step to send said agent
information.

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93. A control method according to claim 92
wherein said execution step executes said command train
to determine whether the result of processing by said
processing mechanism is an unrecoverable error, and
15 wherein if the result of processing by said processing
mechanism is an unrecoverable error, said execution
step additionally writes the occurrence of the
unrecoverable error to said data and requests said
sending step to send to said data processing apparatus
20 said agent information including the resulting data.

94. A control method according to claim 92
wherein said execution step executes said command train
to determine whether the result of processing by said
processing mechanism is a recoverable error, and
25 wherein if the result of processing by said processing
mechanism is a recoverable error, said execution step

09363025-072999

additionally writes to said data the need to clear the error and requests said sending step to send to said data processing apparatus said agent information including the resulting data.

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95. A control method according to claim 92 wherein said execution step executes said command train to determine whether the result of processing by said processing mechanism is normal termination, and wherein if the result of processing by said processing mechanism is not normal termination, said execution step determines an alternative office apparatus and requests said sending step to send said agent information to the alternative office apparatus.

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96. A control method according to claim 92 wherein said execution step executes said command train to additionally write the occurrence of the unrecoverable error to said data and to request said sending step to send to said data processing apparatus said agent information including the resulting data.

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97. A control method according to claim 81 wherein the office apparatus has a plurality of said processing mechanisms.

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98. A control method according to claim 81

wherein said processing mechanism is a print mechanism.

99. A control method according to claim 81
wherein said processing mechanism is an image filing
5 mechanism.

100. A control method according to claim 81
wherein said processing mechanism is a scanner
mechanism.

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